**[Click element using JavaScriptExecutor](http://www.seleniumeasy.com/selenium-tutorials/click-element-using-javascriptexecutor)**

In Selenium Webdriver, we can just use element.click() method to click on any element. But sometimes, when there are any issues performing click on any element, we can use JavaScriptExecutor.

Below is the example to perform click using JavaScriptExecutor.

[**Mouse hover using javaScript Executor**](http://www.seleniumeasy.com/selenium-tutorials/mouse-hover-using-javascriptexecutor)

In order to perform a 'mouse hover' action, we need to take the help of Selenium Actions class. Which we have seen earlier [Mouse Hover with Actions class](http://seleniumeasy.com/selenium-tutorials/how-to-perform-mouseover-action-in-selenium-webdriver)

Now in this tutorial, we will see how to perform mouse hover using [JavaScript Executor](https://selenium.googlecode.com/git/docs/api/java/org/openqa/selenium/JavascriptExecutor.html) We will look into the below example and understand how it is working.

Java Code Examples for org.openqa.selenium.JavascriptExecutor

The following are top voted examples for showing how to use org.openqa.selenium.JavascriptExecutor. These examples are extracted from open source projects. You can vote up the examples you like and your votes will be used in our system to product more good examples.

**+** Save this class to your library

**Example 1**

|  |  |  |
| --- | --- | --- |
| Project: *thucydides*   File: *JavascriptExecutorFacade.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=thucydides-master/thucydides-core/src/main/java/net/thucydides/core/webdriver/javascript/JavascriptExecutorFacade.java) |  |  |

/\*\*

\* Execute some Javascript in the underlying WebDriver driver.

\* @param script

\*/

public Object executeScript(final String script) {

if (javascriptIsSupportedIn(driver)) {

JavascriptExecutor js = getJavascriptEnabledDriver();

return js.executeScript(script);

} else {

return null;

}

}

**Example 2**

|  |  |  |
| --- | --- | --- |
| Project: *edx-app-android*   File: *NativeAppDriver.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=edx-app-android-master/AcceptanceTests/src/main/java/org/edx/nativeapp/NativeAppDriver.java) |  |  |

/\*\*

\* Switch between data and wifi(specific to android).

\*

\* @param wifi

\* @param data

\* @throws InterruptedException

\*/

public void setNetworkConnection(boolean wifi, boolean data,

boolean airplane) throws InterruptedException {

if (deviceOS.equalsIgnoreCase("android")) {

NetworkConnectionSetting connectionSetting = new NetworkConnectionSetting(

0);

connectionSetting.setWifi(wifi);

connectionSetting.setData(data);

connectionSetting.setData(airplane);

((AndroidDriver) appiumDriver)

.setNetworkConnection(connectionSetting);

connectionSetting = ((AndroidDriver) appiumDriver)

.getNetworkConnection();

} else {

HashMap<String, Double> coords = new HashMap<String, Double>();

JavascriptExecutor js = (JavascriptExecutor) appiumDriver;

Dimension devicediam = appiumDriver.manage().window().getSize();

int height = devicediam.getHeight();

// int width = devicediam.getWidth();

if (deviceName.equals("iPhone 6")) {

appiumDriver.swipe(100, height, 100, 100, 500);

Thread.sleep(3 \* 1000);

coords.put("x", new Double("" + 120));

coords.put("y", new Double("" + 290));

coords.put("duration", 0.5);

js.executeScript("mobile: tap", coords);

Thread.sleep(3 \* 1000);

coords.put("x", new Double("" + 100));

coords.put("y", new Double("" + 100));

coords.put("duration", 0.5);

js.executeScript("mobile: tap", coords);

} else {// For iPhone 5

appiumDriver.swipe(100, height, 100, 100, 500);

Thread.sleep(3 \* 1000);

coords.put("x", new Double("" + 100));

coords.put("y", new Double("" + 180));

coords.put("duration", 0.5);

js.executeScript("mobile: tap", coords);

Thread.sleep(3 \* 1000);

coords.put("x", new Double("" + 100));

coords.put("y", new Double("" + 100));

coords.put("duration", 0.5);

js.executeScript("mobile: tap", coords);

}

}

}

**Example 3**

|  |  |  |
| --- | --- | --- |
| Project: *seleniumQuery*   File: *RemoveAttrFunction.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=seleniumQuery-master/src/main/java/io/github/seleniumquery/functions/jquery/attributes/RemoveAttrFunction.java) |  |  |

public static SeleniumQueryObject removeAttr(SeleniumQueryObject seleniumQueryObject, List<WebElement> elements,

String attributeNames) {

JavascriptExecutor js = (JavascriptExecutor) seleniumQueryObject.getWebDriver();

String[] attributes = attributeNames.split(" ");

for (WebElement webElement : elements) {

for (String attributeName : attributes) {

js.executeScript("arguments[0].removeAttribute(arguments[1])", webElement, attributeName);

}

}

return seleniumQueryObject;

}

**Example 4**

|  |  |  |
| --- | --- | --- |
| Project: *serenity-core*   File: *JavascriptExecutorFacade.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=serenity-core-master/serenity-core/src/main/java/net/thucydides/core/webdriver/javascript/JavascriptExecutorFacade.java) |  |  |

/\*\*

\* Execute some Javascript in the underlying WebDriver driver.

\* @param script

\*/

public Object executeScript(final String script) {

if (javascriptIsSupportedIn(driver)) {

JavascriptExecutor js = getJavascriptEnabledDriver();

return js.executeScript(script);

} else {

return null;

}

}

**Example 5**

|  |  |  |
| --- | --- | --- |
| Project: *jazzautomation\_source*   File: *WebUIManager.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=jazzautomation_source-master/src/main/java/com/jazzautomation/WebUIManager.java) |  |  |

public static void loadJQuery(JavascriptExecutor jsDriver)

{

Object jquery = jsDriver.executeScript(" if ( typeof $ != 'undefined') { return 1;} else { return null; }");

if (jquery == null)

{

URL jqueryUrl = Resources.getResource("jquery-1.8.0.min.js");

String jqueryText = "";

try

{

jqueryText = Resources.toString(jqueryUrl, Charsets.UTF\_8);

}

catch (IOException e)

{

LOG.warn("Error obtaining jquery library.", e);

}

LOG.info("\tEnable Jquery");

jsDriver.executeScript(jqueryText);

}

}

**Example 6**

|  |  |  |
| --- | --- | --- |
| Project: *dextranet*   File: *PaginaPrincipal.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=dextranet-master/src/functional-test/java/br/com/dextra/dextranet/web/PaginaPrincipal.java) |  |  |

public PaginaPrincipal scrollAteFim() {

JavascriptExecutor js = (JavascriptExecutor) driver;

// desce ate o fim do scroll

js.executeScript("window.scrollTo(0, 100000);");

this.waitingForLoading();

// volta o scroll para poder descer novamente

js.executeScript("window.scrollTo(0, -100000);");

return this;

}

**Example 7**

|  |  |  |
| --- | --- | --- |
| Project: *Wicket-Page-Test*   File: *WicketSelenium.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=Wicket-Page-Test-master/wpt-core/src/main/java/com/ttdev/wicketpagetest/WicketSelenium.java) |  |  |

public void subscribeAjaxDoneHandler() {

JavascriptExecutor jsExec = (JavascriptExecutor) selenium;

String defineAjaxDoneIndicatorExpr = "if (typeof wicketPageTestAjaxDone === 'undefined') { var wicketPageTestAjaxDone = false;"

+ "Wicket.Event.subscribe('/ajax/call/complete', function(jqEvent, attributes, jqXHR, errorThrown, textStatus) { window.wicketPageTestAjaxDone = true; });"

+ " }";

jsExec.executeScript(defineAjaxDoneIndicatorExpr);

}

**Example 8**

|  |  |  |
| --- | --- | --- |
| Project: *richfaces*   File: *Utils.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=richfaces-master/build/page-fragments/src/main/java/org/richfaces/fragment/common/Utils.java) |  |  |

/\*\*

\* Executes jQuery command on input element. E.g. to trigger click use jQ("click()", element).

\*

\* @param cmd command to be executed

\* @param element element on which the command will be executed

\*/

public static void jQ(JavascriptExecutor executor, String cmd, WebElement element) {

Preconditions.checkNotNull(executor, "The executor cannot be null.");

Preconditions.checkNotNull(cmd, "The command cannot be null.");

Preconditions.checkNotNull(element, "The element cannot be null.");

String jQueryCmd = String.format("jQuery(arguments[0]).%s", cmd);

executor.executeScript(jQueryCmd, unwrap(element));

}

**Example 9**

|  |  |  |
| --- | --- | --- |
| Project: *automation-test-engine*   File: *SendTextSlashHandling.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=automation-test-engine-master/org.bigtester.ate.core/src/test/java/org/bigtester/ate/test/experimentals/SendTextSlashHandling.java) |  |  |

/\*\*

\* F.

\*

\* @throws InterruptedException the interrupted exception

\*/

//@Test

public void func() throws InterruptedException {

MyChromeDriver.setChromeDriverSystemEnv();

WebDriver driver = new ChromeDriver();

driver.get("file:///C:/index.html");

//driver.switchTo().frame(driver.findElement(new By.ById("iframeResult")));

WebElement textbox = driver.findElement(new By.ByTagName("textarea"));

//textbox.clear();

textbox.getAttribute("name");

String text = "abcdikdkdkdkdkkdkdkdkdkdkkdkdkdkkdkdkdkdkdkdk https://github.com/bigtester/automation-test-engine";

JavascriptExecutor jst = (JavascriptExecutor) driver;

jst.executeScript("arguments[1].value = arguments[0]; ", text, textbox );

Thread.sleep(6000);

driver.quit();

}

**Example 10**

|  |  |  |
| --- | --- | --- |
| Project: *keycloak*   File: *ProfileTest.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=keycloak-master/testsuite/integration/src/test/java/org/keycloak/testsuite/account/ProfileTest.java) |  |  |

private String[] doGetProfileJs(String token) {

StringBuilder sb = new StringBuilder();

sb.append("var req = new XMLHttpRequest();\n");

sb.append("req.open('GET', '" + getAccountURI().toString() + "', false);\n");

if (token != null) {

sb.append("req.setRequestHeader('Authorization', 'Bearer " + token + "');\n");

}

sb.append("req.setRequestHeader('Accept', 'application/json');\n");

sb.append("req.send(null);\n");

sb.append("return req.status + '///' + req.responseText;\n");

JavascriptExecutor js = (JavascriptExecutor) driver;

String response = (String) js.executeScript(sb.toString());

return response.split("///");

}

**Example 11**

|  |  |  |
| --- | --- | --- |
| Project: *qxwebdriver-java*   File: *Calendar.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=qxwebdriver-java-master/src/test/java/org/qooxdoo/demo/websitewidgetbrowser/Calendar.java) |  |  |

public void testCalendar(String id) throws InterruptedException {

By calHeaderLoc = By.xpath("descendant::td[contains(@class, 'qx-calendar-month')]");

By prevMonthLoc = By.xpath("descendant::button[contains(@class, 'qx-calendar-prev')]");

By nextMonthLoc = By.xpath("descendant::button[contains(@class, 'qx-calendar-next')]");

String[] monthNames;

if (id.contains("custom")) {

monthNames = monthNamesCustom;

} else {

monthNames = monthNamesDefault;

}

WebElement calendar = webDriver.findElement(By.id(id));

WebElement calHeader = calendar.findElement(calHeaderLoc);

Assert.assertEquals(monthNames[month] + " " + year, calHeader.getText());

String getValue = "return qxWeb('#" + id + "').getValue()";

JavascriptExecutor exec = (JavascriptExecutor) webDriver;

String valueBefore = (String) exec.executeScript(getValue);

WebElement prevMonth = calendar.findElement(prevMonthLoc);

prevMonth.click();

// refresh the elements because the calendar re-renders itself if the displayed month changes

calendar = webDriver.findElement(By.id(id));

calHeader = calendar.findElement(calHeaderLoc);

int prevMonthIdx;

int prevYear = year;

if (month == 0) {

prevMonthIdx = 11;

prevYear = prevYear - 1;

} else {

prevMonthIdx = month - 1;

}

String prevMonthName = monthNames[prevMonthIdx];

Assert.assertEquals(prevMonthName + " " + prevYear, calHeader.getText());

WebElement nextMonth = calendar.findElement(nextMonthLoc);

nextMonth.click();

nextMonth = calendar.findElement(nextMonthLoc);

nextMonth.click();

// refresh the elements because the calendar re-renders itself if the displayed month changes

calendar = webDriver.findElement(By.id(id));

calHeader = calendar.findElement(calHeaderLoc);

int nextMonthIdx;

int nextYear = year;

if (month == 11) {

nextMonthIdx = 0;

nextYear = nextYear + 1;

} else {

nextMonthIdx = month + 1;

}

String nextMonthName = monthNames[nextMonthIdx];

Assert.assertEquals(nextMonthName + " " + nextYear, calHeader.getText());

WebElement day = calendar.findElement(By.xpath("descendant::button[contains(@class, 'qx-calendar-day') and text() = '17']"));

day.click();

Thread.sleep(250);

String getDateString = getValue + ".toString()";

String valueAfter = (String) exec.executeScript(getDateString);

Assert.assertNotEquals(valueBefore, valueAfter);

String nextMonthNameEn = monthNamesDefault[nextMonthIdx];

nextMonthNameEn = nextMonthNameEn.substring(0, 3);

System.out.println("valueAfter " + valueAfter);

System.out.println(" " + nextMonthNameEn + " 17 " + nextYear);

Assert.assertTrue(valueAfter.contains(" " + nextMonthNameEn + " 17 " + nextYear));

}

**Example 12**

|  |  |  |
| --- | --- | --- |
| Project: *selenide*   File: *Navigator.java* [*View source code*](http://www.programcreek.com/java-api-examples/index.php?source_dir=selenide-master/src/main/java/com/codeborne/selenide/impl/Navigator.java) |  |  |

protected void collectJavascriptErrors(JavascriptExecutor webdriver) {

try {

webdriver.executeScript(

"window.\_selenide\_jsErrors = [];\n" +

"if (!window.onerror) {\n" +

" window.onerror = function (errorMessage, url, lineNumber) {\n" +

" var message = errorMessage + ' at ' + url + ':' + lineNumber;\n" +

" window.\_selenide\_jsErrors.push(message);\n" +

" return false;\n" +

" };\n" +

"}\n"

);

} catch (UnsupportedOperationException cannotExecuteJsAgainstPlainTextPage) {

log.warning(cannotExecuteJsAgainstPlainTextPage.toString());

} catch (WebDriverException cannotExecuteJs) {

log.severe(cannotExecuteJs.toString());

}

}